Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/26/2022 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124528	-1	1.51	124410	1.51
Blue	F	SSC	125000	121781	-3	2.68	122237	2.53
Blue	E	FITC	13602	13089	-4	2.25	366	13.48
Blue	D	PE	24891	24358	-3	1.67	579	10.38
Blue	B	PerCP-Cy5-5	33972	33192	-3	2.95	948	14.71
Blue	A	PE-Cy7	22865	22510	-2	4.96	475	30.28
Red	C	APC	47198	46870	-1	2.68	1618	11.62
Red	A	APC-Cy7	26454	25445	-4	3.08	719	12.31
Violet	B	V450	6737	6408	-5	3.26	444	11.46
Violet	A	V500	29317	27762	-6	2.78	949	8.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23766	2.82	559	24	N/A	N/A	Pass
Blue	F	SSC	54864	1.98	518	-3	N/A	N/A	Pass
Blue	E	FITC	55	58.52	485	1	0.0482	311	Pass
Blue	D	PE	112	38.02	488	2	0.4005	280	Pass
Blue	B	PerCP-Cy5-5	150	42.77	582	3	0.0210	147	Pass
Blue	A	PE-Cy7	79	80.87	625	4	0.0227	8	Pass
Red	C	APC	340	26.04	576	4	0.0272	172	Pass
Red	A	APC-Cy7	135	36.06	553	2	0.0066	1876	Pass
Violet	B	V450	76	48.68	444	-6	0.0616	2841	Pass
Violet	A	V500	112	36.31	463	-6	0.0245	1696	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.66	-31.39	1.14
Blue	20.37	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.28	13.90 - 20.86	N/A	N/A	29.83	30.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9765

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments